

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=9; day=15; hr=11; min=33; sec=19; ms=83;]

=====

Application No: 10591538 Version No: 1.0

Input Set:**Output Set:**

Started: 2008-08-14 12:00:03.996
Finished: 2008-08-14 12:00:05.406
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 410 ms
Total Warnings: 15
Total Errors: 0
No. of SeqIDs Defined: 23
Actual SeqID Count: 23

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)

SEQUENCE LISTING

<110> BIOPROTEIN TECHNOLOGIES

COHEN Jean, deceased

SOLER Eric

HOUEBINE Louis-Marie

SCHWARTZ-CORNIL Isabelle

FOURGEUX Cynthia

PAREZ Nathalie

GARBARG-CHENON Antoine

<120> PREPARATION OF RECOMBINANT ROTAVIRUS PROTEINS IN MILK OF
TRANSGENIC NON-HUMAN MAMMALS

<130> D21684

<140> 10591538

<141> 2008-08-14

<150> PCT/IB2005/000896

<151> 2005-03-04

<150> EP 04/290 589

<151> 2004-03-04

<160> 23

<170> PatentIn version 3.3

<210> 1

<211> 2643

<212> DNA

<213> rotavirus

<220>

<223> VP2 strain RF open reading frame

<400> 1

atggcgtaca ggaaacgtgg agcgcgccgt gaggcgaata taaataataa tgaccgaatg	60
caagagaaag atgacgagaa acaagatcaa aacaatagaa tgcagttgtc tgataaagta	120
ctttcaaaga aagaggaagt cgtaaccgac agtcaagaag aaattaaaat tgctgatgaa	180
gtgaagaaat cgacgaaaga agaatctaaa caattgcttg aagttttgaa aacaaaagaa	240
gagcaccaaa aagagataca atatgaaatt ttgcaaaaaa cgataccaac atttgaacca	300
aaagagtcaa tattgaaaaa attggaggat atcaaaccgg aacaagcgaa gaagcagact	360
aagctattta gaatatattga accgagacag ctaccaatth atagagcgaa tggtgaaaaa	420
gagttgcgta acagatggta ttggaagctg aagaaagata ctttaccaga tggagattat	480
gatgttagag aatactttct aaatttgtat gatcagggtc ttactgaaat gccagattat	540
ttactattaa aagatatggc agttgaaaat aaaaattcga gagatgccgg taaagttgth	600
gattctgaaa cagcaagtat ctgtgatgct atatttcaag atgaggaaac agaaggtgca	660
gtgagacgat tcattgcgga gatgagacag cgcgtacaag ctgacagaaa cgttgtcaat	720
tacccatcaa tattgcatcc aatagattac gcttttaatg agtatthttt gcaacaccaa	780
ttagttgaac cattgaataa tgatataata ttcaattaca ttcttgaaag gataaggaat	840
gacgttaact atatacttaa tatggacaga aatctgccat caacagctag atatataaga	900
cctaatttac tacaagacag actgaatttg catgacaatt ttgaatcctt gtgggataca	960
ataacaactt caaactatat tctggcaaga tcggtagtag cagattthaa ggaattagth	1020

tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaata	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggta	ctaactgtag	tgccaaata	catgttcata	1260
agggaatcat	tggttgcatg	tcaactgggt	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggtgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgatttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcaactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	attttttaaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatacaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttgttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaatcttac	tttcaactgt	tactctgac	tgcttgcat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
ttaa						2643

<210> 2

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 2

atggcgtaga	ggaaacgtgg	agcgcgcgct	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaa	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atltgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaaccgg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcaggttc	ttactgaaat	gccagattat	540
ttactattaa	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaaat	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaattttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtag	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080

cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaatcat	tggttgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gacccacaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgatttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	attttttaaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttggttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaactcttac	tttcactggt	tactctgata	tgcttgcaat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 3

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 3

atggcgtaca	ggaaacgtgg	agcgcgcctg	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaa	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaaccgg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatattga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgctga	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcaggttc	ttactgaaat	gccagattat	540
ctcctcctga	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaaat	agtatTTTTT	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaatttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtag	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140

actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtgggtta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaatcat	tggttgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gacccacaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgatttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	attttttaaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttgttac	agactcgtca	gtcatatcgt	tgatagcgaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaatcttac	tttcactggt	tactctgac	tgcttgcaat	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 4

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 4

atggcgtaca	ggaaacgtgg	agcgcgcctg	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atltgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaaccgg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatlttg	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgcgta	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgtat	gatcaggttc	ttactgaaat	gccagattat	540
ttactattaa	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgcgga	gatgagacag	cgcgtacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gctltttaatg	agtatltttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaattttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caaactatat	tctggcaaga	tcggtagtac	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaa	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200

tatatgtcat	taatttcagg	catgtggtta	ctaactgtag	tgccaaatga	catgttcata	1260
agggaatcat	tggttgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gaccacaaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aaataggctt	1620
ggtcaattag	ttgatttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcaactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	attttttaaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaaggga	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttggttac	agactcgtca	gtcatttccc	tcatcgctaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcc	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaatcttac	tttcactggt	tactctgac	tgcttgcatt	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 5

<211> 2643

<212> DNA

<213> Artificial sequence

<220>

<223> VP2 strain RF open reading frame, modified sequence

<400> 5

atggcgtaca	ggaaacgtgg	agcgcgccgt	gaggcgaata	taaataataa	tgaccgaatg	60
caagagaaag	atgacgagaa	acaagatcaa	aacaatagaa	tgcagttgtc	tgataaagta	120
ctttcaaaga	aagaggaagt	cgtaaccgac	agtcaagaag	aaattaaaat	tgctgatgaa	180
gtgaagaaat	cgacgaaaga	agaatctaaa	caattgcttg	aagttttgaa	aacaaaagaa	240
gagcaccaaa	aagagataca	atatgaaatt	ttgcaaaaaa	cgataccaac	atttgaacca	300
aaagagtcaa	tattgaaaaa	attggaggat	atcaaaccgg	aacaagcgaa	gaagcagact	360
aagctattta	gaatatttga	accgagacag	ctaccaattt	atagagcgaa	tggtgaaaaa	420
gagttgctga	acagatggta	ttggaagctg	aagaaagata	ctttaccaga	tgagagattat	480
gatgttagag	aatactttct	aaatttgat	gatcaggttc	ttactgaaat	gccagattat	540
ctcctcctga	aagatatggc	agttgaaaat	aagaattcga	gagatgccgg	taaagttggt	600
gattctgaaa	cagcaagtat	ctgtgatgct	atatttcaag	atgaggaaac	agaaggtgca	660
gtgagacgat	tcattgctga	gatgagacag	cgcgtacaag	ctgacagaaa	cgttgtcaat	720
tacccatcaa	tattgcatcc	aatagattac	gcttttaaat	agtatttttt	gcaacaccaa	780
ttagttgaac	cattgaataa	tgatataata	ttcaattaca	ttcctgaaag	gataaggaat	840
gacgttaact	atatacttaa	tatggacaga	aatctgccat	caacagctag	atatataaga	900
cctaatttac	tacaagacag	actgaatttg	catgacaatt	ttgaatcctt	gtgggataca	960
ataacaactt	caactatat	tctggcaaga	tcggtagtac	cagattttaa	ggaattagtt	1020
tcaaccgaag	cgcaaattca	aaaaatgtca	caagacttgc	aactagaagc	attaacaata	1080
cagtcagaaa	cgcagttttt	aacaggtata	aactcacaag	cagcaaatga	ctgtttcaaa	1140
actctgattg	cagcaatggt	aagtcaacga	accatgtcgc	ttgatttcgt	gactacaaat	1200
tatatgtcat	taatttcagg	catgtggtta	ctaactgtag	tgccaaatga	catgttcata	1260

agggaatcat	tggttgcatg	tcaactggct	atagtgaata	caataatata	tccagcgttc	1320
ggaatgcaac	gaatgcatta	tagaaacgga	gacccacaaa	gaccatttca	gatagcagaa	1380
caacaaatac	aaaattttca	agtagcgaat	tggctgcatt	ttgtcaataa	caatcaattt	1440
agacaagtag	ttattgatgg	tgtattgaat	caggtgctga	atgacaatat	tagaaatgga	1500
catgtcatta	atcaattgat	ggaagcttta	atgcaactat	cacgacaaca	gtttccaaca	1560
atgcctgttg	attataagag	gtcaatccag	cgtggaatat	tattgctatc	aataggcctt	1620
ggtcaattag	ttgatttaac	taggttatta	gcttacaact	acgaaacact	aatggcatgt	1680
gttacgatga	atatgcaaca	tgttcagact	ttgacaacag	aaaaattaca	gttaacttca	1740
gtcacatcgt	tgtgtatgct	tattggaaat	gcaaccgtta	taccagccc	gcagacattg	1800
tttcactatt	ataatgttaa	tgttaatttt	cattcaaatt	ataatgaaag	aattaatgat	1860
gcagtggcca	taataactgg	agctaataga	ctaaatttat	atcagaaaaa	gatgaaggca	1920
atagttgaag	atTTTTTaaa	aagattacat	attttcgatg	tagctagagt	tccagatgat	1980
caaatgtata	gattaagggg	tagactacga	ctattgccag	tagaagtaag	acgattggat	2040
atttttaatt	tgatactgat	gaacatggat	cagatagaac	gcgcatcaga	taaaattgcg	2100
caaggtgtta	ttattgcgta	ccgcgatatg	caattggaaa	gagacgaaat	gtatggctac	2160
gtgaatatag	ctagaaattt	agatgggttc	cagcaaataa	acctagaaga	attgatgaga	2220
acaggcgatt	atgcacaaat	aactaacatg	ctcttgaata	atcaaccagt	agcgctagtt	2280
ggagctcttc	catttggttac	agactcgtca	gtcattttccc	tcatcgctaa	cgttgacgct	2340
acagtttttg	cccaaatagt	taaattacgg	aaagttgata	ccttgaaacc	aatattgtat	2400
aaaataaatt	cagattcgaa	tgacttttac	ctagttgcca	actatgattg	ggtgcctact	2460
tcaaccacaa	aagtatataa	gcaagttcca	cagcaatttg	atttcagaaa	ttcgatgcat	2520
atgttaacat	caaatcttac	tttcactggt	tactctgata	tgcttgcatc	cgtatcggcc	2580
gatacagtag	aacctataaa	tgcagttgca	tttgataata	tgcgcatcat	gaacgagttg	2640
taa						2643

<210> 6
<211> 2797
<212> DNA
<213> Artificial sequence

<220>
<223>